EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20040205335".pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 14:08
S2	1	((SANG-DO) near2 (PARK)).INV.	USPAT	OR	ON	2007/09/17 15:11
S3	17	((SANG-DO) near2 (PARK)).INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 12:37
S4	2	("20020116637").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 12:39
S5	7	ergezinger and authentication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 12:40
S6	3	ergezinger and verification	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 12:40
S7	4061	@ad<"20030411" and (signature) and (device near5 (authenticat$3 verif$5))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 14:08
S8	237	@ad<"20030411" and (signature) and (device near5 (authenticat$3 verif$5)) and (((public adj key) signature) near5 manufact$5)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 14:09
S9	217	@ad<"20030411" and (signature) and (device near3 (authenticat$3 verif$5)) and (((public adj key) signature) near5 manufact$5)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 14:09
S10	140	@ad<"20030411" and ((signature) same (device near3 (authenticat$3 verif$5))) and (((public adj key) signature) near5 manufact$5)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 14:29
S11	11	@ad<"20030411" and ((signature) same (device near3 (authenticat$3 verif$5))) and (((public adj key) signature) near5 manufact$5) and gateway	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 14:34
S12	4	@ad<"20030411" and ((signature) same (device near3 (authenticat$3 verif$5))) and (((public adj key) signature) near5 manufact$5) and (gateway same (keys! verif$5 authenticat$3))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 14:36

EAST Search History

S13	35	@ad<"20030411" and ((gateway router) same (authenticat$3 verif$5)) and (((public adj key) signature) near5 manufact$5)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 08:54
S14	656	@ad<"20030411" and (gateway router) same (authenticat$3 verif$5) same ((public adj key) signature)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 15:01
S15	168	@ad<"20030411" and (gateway router) same (authenticat$3 verif$5) same ((public adj key) signature) same access$4	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 15:02
S16	284	@ad<"20030411" and (gateway router) same (authenticat$3 verif$5) same ((public adj key) signature certificate) same access$4	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 15:02
S17	63	@ad<"20030411" and (gateway router) same (authenticat$3 verif$5) same (signature certificate) same (public adj key) same access$4	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 09:06
S18	6	@ad<"20030411" and (gateway router) same (authenticat$3 verif$5) same (signature certificate) same (public adj key) same access$4 and dhcp	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/13 15:02
S19	1115	@ad<"20030411" and ((base station) bsc access gateway router) and ((signature certificate) same (public adj key) same (provider manufactur$4))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 13:09
S20	1087	@ad<"20030411" and (((base station) bsc access gateway router) same (access$3 authenticat$3 verif$8)) and ((signature certificate) same (public adj key) same (provider manufactur$4))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 09:12
S21	640	@ad<"20030411" and (((base station) bsc gateway router) same (access$3 authenticat$3 verif$8)) and ((signature certificate) same (public adj key) same (provider manufactur$4))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 09:13
S22	262	@ad<"20030411" and (((base station) bsc gateway router) same (access$3 authenticat$3 verif$8)) and ((signature same certificate) same (public adj key) same (provider manufactur$4))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 09:19
S23	245	@ad<"20030411" and (((base station) bsc gateway router) same (access$3 authenticat$3 verif$8)) and ((signature same certificate) same (public adj key) same (provider manufactur$4)) not wasilewski.in.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 09:19
S24	60	@ad<"20030411" and (((base adj station) bsc gateway router) same (access$3 authenticat$3 verif$8)) and ((signature same certificate) same (public adj key) same (provider manufactur$4)) not wasilewski.in.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 09:19
S25	10	hind.in. and certificate and gateway	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 12:45
S26	156	@ad<"20030411" and (home adj pna)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 13:09
S27	47	@ad<"20030411" and (home adj pna) and (authenticat$3 verif$8)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 13:10

EAST Search History

S28	35	@ad<"20030411" and (home adj pna) and (authenticat$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 18:18
S29	62	@ad<"20030411" and (home adj pna) and (display$3 near5 (connect$3 install$6))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/14 18:29
S30	1016	@ad<"20030411" and ((connect$3 attach$3) near3 network) same (alert$3 display$3) same (permission authoriz$6 accept$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 08:56
S31	182	@ad<"20030411" and ((connect$3 attach$3) near3 network) same (alert$3 display$3) near5 (permission authoriz$6 accept$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 09:02
S32	3	@ad<"20030411" and ((connect$3 attach$3) near3 network) same (alert$3 display$3) near5 (permission authoriz$6 accept$3) and (bluetooth)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 08:56
S33	75	@ad<"20030411" and ((connect$3 attach$3) near3 network) same (alert$3 display$3) near5 (permission authoriz$6)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 09:11
S34	0	@ad<"20030411" and ((connect$3 attach$3 associat$3) near3 (access adj point)) same (alert$3 display$3) near5 (permission authoriz$6)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 09:28
S35	4738	713/153,146,173,175,176.ccls. 726/10,27.ccls.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 15:10
S36	743	(713/153,146,173,175,176.ccls. 726/10,27.ccls.) and (certificate near3 (authenticat$3 authoriz$6))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 15:10
S37	317	(713/153,146,173,175,176.ccls. 726/10,27.ccls.) and (certificate near3 (authenticat$3 authoriz$6)) and ((network piconet) near4 access$5)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/09/17 15:10
S38	17	((SANG-DO) near2 (PARK)).INV.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 15:11
S40	6	S38 and (gateway)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 15:16
S41	6	S38 and (service adj provider)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 15:16

EAST Search History

S42	1	S41 not S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 15:16
S43	1	S38 and pna	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 15:16

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IEEE STD IEEE Standard

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2. **IPTV-aware multi-service home gateway based on FTTH access network**
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3. **An Implementation of the Broadband Home Gateway supporting Multi-Channel IPTV Service**
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14. **Sample Page Evolution of Home Networks Enhanced by Broadband Service in the Next Generation N**
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26. **An SOA-Based Software Development Management System**
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Yeon-Joo Oh; Eui-Hyun Paik; Kwang-Roh Park;
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Rahman, M.; Braun, D.; Bushmitch, D.;
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1 Next generation games: Wireless sensor network based mobile pet game

Liang Liu, Huadong Ma
October 2006 **Proceedings of 5th ACM SIGCOMM workshop on Network and system support for games NetGames '06**
Publisher: ACM Press
Full text available: pdf(710.24 KB) Additional Information: full citation, abstract, references, index terms

Wireless sensor network offers an opportunity to introduce different kinds of physical data into mobile pet games, which enriches recreational elements and practical elements in mobile pet games. Motivated by this, we propose a novel architecture for integrating sensor networks into mobile pet game. In particular, we utilize an environment aware self-reconfiguration mechanism to build a mobile pet gaming platform. This mechanism can effectively support task reconfiguration on each sensor node ...

Keywords: gaming platform, mobile pet game, reconfiguration, wireless sensor networks

2 Host migration transparency in IP networks: the VIP approach

Fumio Teraoka, Mario Tokoro
January 1993 **ACM SIGCOMM Computer Communication Review**, Volume 23 Issue 1
Publisher: ACM Press
Full text available: pdf(1.09 MB) Additional Information: full citation, abstract, citings, index terms

Increasing portability of computers will require users in the future to access the network regardless of location. Host migration transparency will be an essential feature of wide area network environments. We proposed the concept of *virtual network* and the *propagating cache method* to achieve host migration transparency [12]. We also established the feasibility of Virtual Internet Protocol (VIP), derived from Internet Protocol (IP), as an example of a virtual network protocol. In t ...

3 An SOA-Based Software Development Management System

Ing-Yi Chen, Chao-Chi Huang
December 2006 **Proceedings of the 2006 IEEE/WIC/ACM International Conference on Web Intelligence WI '06**
Publisher: IEEE Computer Society
Full text available: pdf(324.62 KB) Additional Information: full citation, abstract, index terms

The object of the research was to develop a deployment management framework that supported dynamic reconfiguration for home gateway services. This system uses a Service

Oriented Architecture (SOA) that contains four subsystems. These include: a management agent, a deployment management server, a process management module, and an operation portal. The architecture of this system not only improves the efficiency of application delivery, but also provides a platform that can effectively support pro ...

Keywords: Deployment Management, Home Gateway, Service-Oriented Architecture, OSGi

4 Issues in satellite personal communication systems

Erich Lutz
February 1998 **Wireless Networks**, Volume 4 Issue 2
Publisher: Kluwer Academic Publishers
Full text available: pdf(742.57 KB) Additional Information: full citation, abstract, references, citings, index terms

In the paper various issues in personal satellite communications are addressed. Basic geostationary and non-geostationary satellite constellations are considered. The narrowband and wideband characterization of the mobile satellite channel and related system implications are discussed. Satellite diversity is presented as a measure to overcome signal shadowing. The capacity of TDMA and CDMA multiple access is estimated, taking into account co-channel interference. Various network issues, suc ...

5 A software infrastructure for supporting spontaneous and personalized interaction in home computing environments

Tatsuo Nakajima, Ichiro Satoh
September 2006 **Personal and Ubiquitous Computing**, Volume 10 Issue 6
Publisher: Springer-Verlag
Full text available: pdf(459.60 KB) Additional Information: full citation, abstract

Our daily lives are expected to change dramatically due to the popularity of ubiquitous computing technologies. These will make it possible to integrate various aspects of our lives. However, a new approach is required to seamlessly deal with devices embedded in our environments. Future embedded systems will embody a new approach that will take into account a variety of new issues, for example, spontaneous interaction, personalization, privacy protection, and interoperability. In this paper, we ...

Keywords: Appliance coordination, Home computing, Personal devices, Personalization, Spontaneous interaction

6 Pervasive Servers: A framework for creating a society of appliances

Tatsuo Nakajima
July 2003 **Personal and Ubiquitous Computing**, Volume 7 Issue 3-4
Publisher: Springer-Verlag
Full text available: pdf(352.36 KB) Additional Information: full citation, abstract, index terms

The paper proposes a framework to support spontaneous interaction among information appliances in our daily computing environments by creating a society of appliances. Our framework, that we call Pervasive Servers, embeds micro-servers called stationary pervasive servers everywhere. Also, a personal pervasive server that is carried by each person coordinates the embedded servers that are near to the person. The framework is very attractive because it is easy to personalise the coordination accor ...

Keywords: Appliances, Software infrastructure, Spontaneous interaction

7 A measurement analysis of Internet traffic over frame relay

Judith L. Jerkins, John Monroe, Jonathan L. Wang
September 1999 **ACM SIGMETRICS Performance Evaluation Review**, Volume 27 Issue 2
Publisher: ACM Press
Full text available: pdf(1.09 MB) Additional Information: full citation, abstract, index terms

Various approaches have been proposed and implemented to relieve the congestion in the Public Switched Telephone Networks (PSTNs) induced by recent meteoric growth of Internet services. The Internet/Intranet Transport Service (IITS) offered by the Southwestern Bell Telephone (SWBT) Company provides an example of one such implementation which off-loads the long-holding time data traffic from PSTNs to a packet technology (in this case Frame Relay).This paper describes analysis of 1997 IITS traffic ...

8 Gadgets '06: Point, push, pull: the FAU interface

Akio Yoshioka, Hiroyuki Toki, Noboru Takahashi, Shunji Ito
July 2006 **interactions**, Volume 13 Issue 4
Publisher: ACM Press
Full text available: pdf(277.03 KB) html (12.07 KB) Additional Information: full citation, index terms

9 Analysis of wireless networks: tools and techniques: An integrated mobile surveillance and wireless sensor (iMouse) system and its detection delay analysis

Yu-Chee Tseng, You-Chiun Wang, Kai-Yang Cheng
October 2005 **Proceedings of the 8th ACM international symposium on Modeling, analysis and simulation of wireless and mobile systems MSWiM '05**
Publisher: ACM Press
Full text available: pdf(1.49 MB) Additional Information: full citation, abstract, references, index terms

Wireless sensor networks (WSN) provide an inexpensive and convenient way to monitor physical environments. Integrating the context-aware capability of WSN into surveillance systems is an attractive direction. We thus propose an <u>i</u>ntegrated <u>mo</u>bile s<u>r</u>veillance and wireless <u>se</u>nsor (*iMouse*) system, which consists of a large number of inexpensive static sensors and a small number of more expensive mobile sensors. The fo ...

Keywords: pervasive computing, robotics, surveillance system, wireless communication, wireless sensor network

10 Software design, languages and systems: Customizing model-view-controller design pattern for Web controlled household appliances and devices

Stefan Dimov, Vikas Vyas, Mike Schardt, Abdullah Faruque, Susrutha Narla, Haihua Fu
March 2005 **Proceedings of the 43rd annual Southeast regional conference - Volume 2 ACM-SE 43**
Publisher: ACM Press
Full text available: pdf(564.99 KB) Additional Information: full citation, abstract, references, index terms

The tendency is that in the next few years the number of networked home appliances will increase. These appliances will be accessed remotely either directly or through a home gateway.Many different manufacturers produce home appliances using different hardware platforms. At the same time, the user interface and the logical operation of appliances of the same class are the same to some extend, even when the appliances are produced from different manufacturers.This paper presents generalized syste ...

Keywords: design patterns, graduate, software engineering

11 Power line communication network trial and management in Korea

Jae-Jo Lee, Choong Seon Hong, Joon-Myung Kang, James Won-Ki Hong
November 2006 **International Journal of Network Management**, Volume 16 Issue 6
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(1.33 MB) Additional Information: full citation, abstract, references, index terms

Power line communication (PLC) has become an important network access technology to conveniently and effectively provide various useful services such as remote meter reading, broadband Internet access, and home networking services. As the deployment and use of PLC networks increase, it is essential that we need to be able to configure, monitor, and control the PLC network resources. In this paper, we present an overview of PLC network technology and describe a trial PLC network and its deploymen ...

12 Wireless broadband services and network management system in KT

Dong-Hyun Lee, Hwan-Joong Lee, Young-Woo Lee, Dong-Houn Shin
November 2006 **International Journal of Network Management**, Volume 16 Issue 6
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(778.41 KB) Additional Information: full citation, abstract, references, index terms

As mobile devices such as laptops and PDAs are becoming widely available, customers' needs for portable Internet services are increasing. KT has been preparing to launch a WiBro (Mobile WiMax) service that is a high-speed, low-cost, wireless Internet service based on the IEEE 802.16e standard. WiBro Network Management System (WiBro-NMS) has also been developed for the integrated management of WiBro network elements such as ACR, L2 switch, RAS and repeater. Because there is no standard management ...

13 Session 29: panel design challenges for next-generation multimedia, game and entertainment platforms: Design challenges for next-generation multimedia, game and entertainment platforms

J. Cohn, J.-T. Kong, C. Malachowsky, R. Tobias
July 2006 **Proceedings of the 43rd annual conference on Design automation DAC '06**
Publisher: ACM Press
Full text available: pdf(125.19 KB) Additional Information: full citation, abstract, index terms

Modern multimedia, gaming and entertainment devices epitomize high-growth, consumer-driven applications for silicon. 2006 has been a year that launched several high-profile gaming systems, and major changes in home networking. This year has also witnessed the emergence of the digital home and the ePC, as well as continued struggles for control of the home gateway. Mobile-digital convergence has continued with the fusion of media, telephony, and digital-mobile TV. The industry's ability to rapidl ...

Keywords: design methodology, entertainment, gaming, multimedia

14 Security Service Framework for Home Network

Zhefan Jiang, Sangok Kim, Kanghee Lee, Hyunchul Bae, Sangwook Kim
July 2005 **Proceedings of the Fourth Annual ACIS International Conference on Computer and Information Science (ICIS'05) - Volume 00 ICIS '05**
Publisher: IEEE Computer Society
Full text available: Publisher Site Additional Information: full citation, abstract, index terms

Home networking is the collection of elements that process, manage, transport, and store information, enabling the connection and integration of multiple computing, control,

monitoring, and communication devices in the home. Home computers and communication devices connected to the Internet are exposed to attacks and need to be secured. In order to protect home network from attacks, we proposed a security service framework in home gateway. Security service framework for Home Network implemented ...

15 A new generation of multi-service access networks: results of MUSE phase I

Peter Vetter, François Fredricx, Benoit De Vos, Edith Gilon, Kare Gustafsson, Jeroen Wellen, Michel Borgne, Les Humphrey, Alex De Smedt, Rob van den Brink

September 2006 **Proceedings of the 1st international conference on Access networks AcessNets '06**

Publisher: ACM Press

Full text available: pdf(89.57 KB) Additional Information: full citation, abstract, references, index terms

The paper gives a survey of the major results achieved by the European MUSE project during its first phase. The research covers multi service access architectures, first mile solutions, residential gateways and their integration in end-to-end lab trials.

Keywords: access networks, broadband, lab trials, network architecture

16 Building a next-generation residential gateway

Alexander Sirotkin

August 2007 **Linux Journal**, Volume 2007 Issue 160

Publisher: Specialized Systems Consultants, Inc.

Full text available: html(30.67 KB) Additional Information: full citation, abstract

So you want a residential gateway?

17 Ontology and application to improve dynamic bindings in mobile distributed systems

Ben Falchuk, Dave Marples

August 2006 **Proceedings of the 2nd annual international workshop on Wireless internet WICON '06**

Publisher: ACM Press

Full text available: pdf(302.30 KB) Additional Information: full citation, abstract, references, index terms

In mobile, component-based, distributed systems, computing environments utilize software components on an ad hoc, as-needed basis. In such systems, software components must register and announce not only their presence but also their functionality while client components must express their needs for these other components. The binding machinery should intelligently match clients to candidates. Finally, human users of high-level services -- whose underlying components are invisibly involved in ...

Keywords: application platforms and middleware, applications and services for mobile users, component based systems, ontology

18 Autonomic computing: Functionality configuration for eHome systems

Ulrich Norbisrath, Christof Mosler

October 2006 **Proceedings of the 2006 conference of the Center for Advanced Studies on Collaborative research CASCON '06**

Publisher: ACM Press

Full text available: pdf(558.97 KB) htm(1.64 KB) Additional Information: full citation, abstract, references, index terms

New developments and decreasing costs of electronic appliances enable the realization of pervasive systems in our daily environment. In our work, we focus on eHome systems. The price of individual development and adaption of the software making up these systems is one of the major problems preventing their large-scale adoption. In this paper, we introduce an approach built upon functionality composition for automatic service configuration in different environments. We transform the repetitive de ...

19 Embedded systems: applications, solutions and techniques (EMBS): QoS support for IEEE-1394 requests

Chih-Yuan Huang, Tei-Wei Kuo, Ai-Chun Pang
April 2006 **Proceedings of the 2006 ACM symposium on Applied computing SAC '06**
Publisher: ACM Press
Full text available: pdf(128.29 KB) Additional Information: full citation, abstract, references, index terms

IEEE-1394 is widely adopted in various commercial products for computing, communication, and entertainment. Although many services with Quality of Service (QoS) supports are now available in systems over IEEE-1394, little work is done for QoS-based resource allocation. In this paper, we aim at the design of a bandwidth reservation mechanism and its policy for isochronous requests, such as those from cameras. We then address the QoS support issue for asynchronous requests, such as those from disk ...

Keywords: I/O subsystem, IEEE-1394, quality-of-service, real-time

20 Editorial zone: Challenges in peer-to-peer gaming

Christoph Neumann, Nicolas Prigent, Matteo Varvello, Kyoungwon Suh
January 2007 **ACM SIGCOMM Computer Communication Review**, Volume 37 Issue 1
Publisher: ACM Press
Full text available: pdf(98.56 KB) Additional Information: full citation, abstract, references, index terms

While multi-player online games are very successful, their fast deployment suffers from their server-based architecture. Indeed, servers both limit the scalability of the games and increase deployment costs. However, they make it easier to control the game (e.g. by preventing cheating and providing support for billing). Peer-to-peer, i.e. transfer of the game functions on each each player's machine, is an attractive communication model for online gaming. We investigate here the challenges of pee ...

Keywords: overlay online-gaming, peer-to-peer, security

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Relevance scale

21 Multiprocessor SoC MPSoC solutions/nightmare: The future of multiprocessor systems-on-chips
Wayne Wolf
June 2004 **Proceedings of the 41st annual conference on Design automation DAC '04**
Publisher: ACM Press
Full text available: pdf(58.72 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper surveys the state-of-the-art and pending challenges in MPSoC design. Standards in communications, multimedia, networking, and other areas encourage the development of high-performance platforms that can support a range of implementations of the standard. A multiprocessor system-on-chip includes embedded processors, digital logic, and mixed-signal circuits combined into a heterogeneous multiprocessor. This mix of technologies creates a major challenge for MPSoC design teams. We will lo ...

Keywords: MPSoC, embedded software, low power, real-time, system-on-chip

22 Proceedings - only: Position paper: the role of platforms and operating systems in supporting home networks
Nigel Davies, Pierre-Guillaume Raverdy
September 2000 **Proceedings of the 9th workshop on ACM SIGOPS European workshop: beyond the PC: new challenges for the operating system EW 9**
Publisher: ACM Press
Full text available: pdf(37.75 KB) Additional Information: full citation, abstract, references

As researchers look beyond the PC there is increasing interest in developing and deploying sophisticated home networks. Such networks might allow the seamless integration of information and services produced both within the home and externally, enabling applications such as the purchase of on-line AV content, tight coupling between kitchen sensors and "Web Van" order forms, and home remote control. From a manufacturers perspective, particularly those manufacturers traditionally associated with b ...

23 Focus on embedded systems
Rick Lehrbaum
August 2001 **Linux Journal**, Volume 2001 Issue 88
Publisher: Specialized Systems Consultants, Inc.

Full text available: html(10.84 KB) Additional Information: full citation, index terms

24 Focus on embedded systems: Linux at the embedded systems conference
Rick Lehrbaum
July 2001 **Linux Journal**, Volume 2001 Issue 87
Publisher: Specialized Systems Consultants, Inc.
Full text available: html(13.73 KB) Additional Information: full citation, index terms

25 Hardware/software instruction set configurability for system-on-chip processors
Albert Wang, Earl Killian, Dror Maydan, Chris Rowen
June 2001 **Proceedings of the 38th conference on Design automation DAC '01**
Publisher: ACM Press
Full text available: pdf(156.09 KB) Additional Information: full citation, abstract, references, citings, index terms

New application-focused system-on-chip platforms motivate new application-specific processors. Configurable and extensible processor architectures offer the efficiency of tuned logic solutions with the flexibility of standard high-level programming methodology. Automated extension of processor function units and the associated software environment - compilers, debuggers, simulators and real-time operating systems - satisfies these needs. At the same time, designing at the level of softwa ...

26 Securing the drop-box architecture for assisted living
Michael J. May, Wook Shin, Carl A. Gunter, Insup Lee
November 2006 **Proceedings of the fourth ACM workshop on Formal methods in security FMSE '06**
Publisher: ACM Press
Full text available: pdf(490.78 KB) Additional Information: full citation, abstract, references, index terms

Home medical devices enable individuals to monitor some of their own health information without the need for visits by nurses or trips to medical facilities. This enables more continuous information to be provided at lower cost and will lead to better healthcare outcomes. The technology depends on network communication of sensitive health data. Requirements for reliability and ease-of-use provide challenges for securing these communications. In this paper we look at protocols for the *drop-box* ...

Keywords: *assisted living, formal methods, formal verification, home health monitoring, security protocol verification*

27 Staying connected: Home turf
Meg McGinity Shannon
September 2006 **Communications of the ACM**, Volume 49 Issue 9
Publisher: ACM Press
Full text available: pdf(62.51 KB) html(13.56 KB) Additional Information: full citation, abstract, index terms

Service providers are building their networks right to your door---that is, your den, your bedroom, and your kitchen.

28 Testing I: Blowtorch: a framework for firewall test automation
Daniel Hoffman, Kevin Yoo

November 2005 **Proceedings of the 20th IEEE/ACM international Conference on Automated software engineering ASE '05**
Publisher: ACM Press
Full text available: pdf(127.60 KB) Additional Information: full citation, abstract, references, index terms

Firewalls play a crucial role in network security. Experience has shown that the development of firewall rule sets is complex and error prone. Rule set errors can be costly, by allowing damaging traffic in or by blocking legitimate traffic and causing essential applications to fail. Consequently, firewall testing is extremely important. Unfortunately, it is also hard and there is little tool support available.Blowtorch is a C++ framework for firewall test generation. The central construct is the ...

Keywords: automated testing, capture/replay, covering array, network firewall, production grammar

29 Strategies for teaching wireless computing: Teaching wireless security for results
Bruce Hartpence
October 2005 **Proceedings of the 6th conference on Information technology education SIGITE '05**
Publisher: ACM Press
Full text available: pdf(191.06 KB) Additional Information: full citation, abstract, references, index terms

Wireless networking, and especially wireless security, has become an increasingly important area of study for our students. To this end, we have developed a third course in our wireless sequence called Security of Wireless Networks. We have provided the students with a fast paced and interesting lab environment in which they can deploy the various techniques they have learned in lecture. To ensure that the students obtain what is necessary to survive as a wireless networking professional, we hav ...

Keywords: attack/defend, teaching, wireless security

30 Infrastructure et composants III: Open-service-platform instrumentation: JMX management over OSGI
Stéphane Frénot, Dan Stefan
June 2004 **Proceedings of the 1st French-speaking conference on Mobility and ubiquity computing UbiMob '04**
Publisher: ACM Press
Full text available: pdf(145.35 KB) Additional Information: full citation, abstract, references, index terms

Pervasive computing tries to narrow computer devices to the enduser in order to simplify access to his services. This trends currently visible in game online (Xbox live) or with the convergence between phone/internet/numeric television (freebox) is only made available by independent providers that works at defining closed platforms.Opening those " service platforms " leads to many problems when considering exploitation of those services by multiple providers. In this article, we will ...

Keywords: JMX, OSGi, administration, instrumentation, middleware, open service platforms

31 Proceedings of the 2004 ACM workshop on Next-generation residential broadband challenges
Roger Zimmermann, Seon Ho Kim
October 2004 proceeding
Publisher: ACM Press

Additional Information: full citation, abstract

It is our great pleasure to welcome you to the 1st ACM Workshop on Next-Generation Residential Broadband Challenges - NRBC 2004. This is the first workshop held in conjunction with the ACM Multimedia conference that provides a forum for the presentation of research results and vision papers on leading edge issues related to next-generation residential broadband deployment. These emerging networks allow very high speed home and business connectivity at prices not much above current broadband l ...

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  John Colter, Netscape Navigator
  ```

- Enclose a phrase in double quotes to search for that exact phrase.

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  ```

- Narrow your searches by using a + if a search term must appear on a page.

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  ```

- Exclude pages by using a - if a search term must not appear on a page.

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  ```

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